**The Smatians Problem - Volume / Capacity (from NZMaths)**

**(Work in Pairs - Each person to complete their own sheet)**

A) There is a tiny island nation, called Smati, in the South Pacific Ocean. The people of Smati have a special elixir (method) that helps people to remember their multiplication and division tables (wouldn't that be great!!)

You are going to go on a trade mission to Smati so New Zealand can trade our milk for their elixir. Unfortunately on Smati they do not use litres and millilitres to measure capacity. They use sloshes, dribbles, and plops.

Before you can go to Smati you will need to figure out how big each unit is so that you can talk their language (of capacity, that is).

I have some bottles of elixir from Smati which give some clue about how many millilitres or litres a slosh, a dribble and a plop are.

**1 bottle of 12 dribbles (total bottle: 600 mls)**

**1 bottle of 4 plops (total bottle: 1 litre)**

**1 bottle of 1 slosh (total bottle: 1.25 litres)**

1. What is the metric measurement of 1 dribble?

2. What is the metric measurement of 1 plop?

3. What is the metric measurement of 1 slosh?

4. How many dribbles make a plop?

5. How many plops make a slosh?

6. How many dribbles make a slosh?

7. Which Smati unit do you think is biggest? Why?  
8. Which Smati unit do you think will be easiest to compare? Why?  
Report your group findings to class.

B) Now, take a 2 litre milk bottle. It needs to be relabelled so that Smati people will know how much milk it holds.

Figure out the new label.

Design your label.

Load to thinglink with your explanation

Load to your wiki page.